

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Peter A.J. van der Made

Serial No.: 09/642,625

Filed: August 18, 2000

For: Computer Immune System and Method  
for Detecting Unwanted Code in a  
Computer System

Art Unit: 2122

**COPY**

**INFORMATION DISCLOSURE STATEMENT**

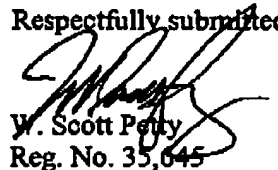
Commissioner of Patents  
Washington, DC 20231

Sir:

The citation of information on the attached Form PTO-1449, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,

  
W. Scott Petty  
Reg. No. 35,645

King & Spalding LLP  
45<sup>th</sup> Floor, 191 Peachtree Street, N.E.  
Atlanta, GA 30303  
404.572.4600  
K&S Docket: 05456.105041

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on February 7, 2003.

  
W. Scott Petty, Reg. No. 35,645

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Sheet 1 of 3

FORM PTO-1449, Adapted

**LIST OF INFORMATION DISCLOSED BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO. 05456.105041	SERIAL NO. 09/642,625	FILING DATE August 18, 2000
APPLICANT Peter A.J. van der Made		GROUP 2122

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,590,331	12/31/96	Lewis et al.			
	AB	6,021,510	02/01/00	Nachenberg			
	AC	6,003,132	12/14/99	Mann			
	AD	5,999,723	12/07/99	Nachenberg			
	AE	5,964,889	10/12/99	Nachenberg			
	AF	5,765,030	06/09/98	Nachenberg et al.			
	AG	5,826,013	10/20/98	Nachenberg			
	AH	6,199,181	03/06/01	Rechtf et al.			
	AI	5,121,345	06/09/92	Lentz			
	AJ	5,623,600	04/22/97	Ji et al.			
	AK	5,649,095	07/15/97	Cozza			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
						YES	NO
	AL	0 636 977 A2	02/01/95	Europe	David Alan Chambers		
	AM						
	AN						
	AO						

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

AP		"Microsoft P-Code Technology," <a href="http://msdn.microsoft.com/archive/default.asp?url=/archive/en-us/dnarcv/html/msdn_c7pcode2.asp">http://msdn.microsoft.com/archive/default.asp?url=/archive/en-us/dnarcv/html/msdn_c7pcode2.asp</a> , pp. 1-6, April 1992.
AR		"DIGPP COFF Spec," <a href="http://delorie.com/digpp/doc/coff/">http://delorie.com/digpp/doc/coff/</a> , pp. 1-15, October 1996
AS		Navig, Kurt, "Sandbox Technology Inside AV Scanners," Virus Bulletin Conference, September 2001, pp. 475-488.
AT		"Norman introduces a new technique for eliminating new computer viruses," found on Norman's website, <a href="file:///C:/Documents%20and%20Settings/7489/Local%20Settings/Temporary%20Internet%20Files/OLK">file:///C:/Documents%20and%20Settings/7489/Local%20Settings/Temporary%20Internet%20Files/OLK</a> , pp. 1-2, published October 25, 2001, printed from website December 27, 2002.

EXAMINER DATE CONSIDERED

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Sheet 2 of 3

FORM PTO-1449, Adopted

**LIST OF INFORMATION DISCLOSED BY APPLICANT***(Use several sheets if necessary)*

ATTY. DOCKET NO. <b>05456.105041</b>	SERIAL NO. <b>09/642,625</b>	FILING DATE <b>August 18, 2000</b>
APPLICANT <b>Peter A.J. van der Made</b>		GROUP <b>2122</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5,978,917	11/02/99	Chi			
	BB	5,983,348	11/09/99	Ji			
	BC	6,029,256	02/22/00	Kouznetsov			
	BD	6,081,894	06/27/00	Mann			
	BE	6,094,731	07/25/00	Waldin et al.			
	BF	6,108,799	08/22/00	Boulay et al.			
	BG	6,119,165	09/12/00	Li et al.			
	BH	6,122,738	09/19/00	Millard			
	BI	6,272,641	08/07/01	Ji			
	BJ	6,324,627	11/27/01	Kricheff et al.			
	BK	6,338,141	01/08/02	Wells			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION YES NO
	BL					
	BM					
	BN					
	BO					

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

BP	Lee et al., "A Generic Virus Detection Agent on the Internet," System Sciences, 1997, Proceedings of the Thirtieth Hawaii International Conference on Wailea, HI, January 7-10, 1997, pp. 210-219, #XP010271868.
BR	International Search Report for PCT/US01/19142, international filing date June 14, 2001, mailing date January 17, 2003.
BS	
BT	

EXAMINER DATE CONSIDERED

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Sheet 3 of 3

FORM PTO-1449, Adapted

## LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. 05456.105041	SERIAL NO. 09/642,625	FILING DATE August 18, 2000	<b>COPY</b>
APPLICANT Peter A.J. van der Made		GROUP 2122	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	6,397,242	05/28/02	Devine et al.			
	CB	4,975,950	12/04/90	Lentz			
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION YES NO
	CL					
	CM					
	CN					
	CO					

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CP	
	CR	
	CS	
	CT	

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not

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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	<b>Docket Number (Optional)</b> 81924.0001	<b>Application Number</b> 09/642,625
	<b>Applicant</b> Peter A.J. van der Made	
	<b>Filing Date</b> August 18, 2000	<b>Group Art Unit</b> 2122

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,854,916	12-29-98	Nachenberg			
	6,067,410	05-23-00	Nachenberg			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	International Search Report for PCT/US01/26804	03-06-02	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Andrew P. Kosoresow, et al., "Intrusion Detection Via System Call Traces," IEEE Software, pp. 35-42, September/October 1997.

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<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	<b>Docket Number (Optional)</b> 81924.0001	<b>Application Number</b> 09/642,625
	<b>Applicant</b> Peter A.J. van der Made	
	<b>Filing Date</b> August 18, 2000	<b>Group Art Unit</b> 2122

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,398,196	03-14-95	Chambers			
	5,842,002	11-24-98	Schnurer, et al.			
	6,275,938	08-14-01	Bond, et al.			
	6,357,008	3-12-02	Nachenberg			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	<b>Docket Number (Optional)</b> 81924.0001	<b>Application Number</b> 09/642,625
	<b>Applicant</b> Peter A.J. van der Made	
	<b>Filing Date</b> August 18, 2000	<b>Group Art Unit</b> 2122

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Carey Stover Nachenberg, "A New Technique for Detecting Polymorphic Computer Viruses," A thesis submitted in partial satisfaction of the requirements for the degree Master of Science in Computer Science, University of California Los Angeles, pp. I-127, 1995.

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<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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FORM PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
81924.0001Application Number  
09/642,625Applicant  
Peter A.J. van der MadeFiling Date  
August 18, 2000Group Art Unit  
2122**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,400,769	08-23-83	Kaneda, et al.			
	5,440,723	08-08-95	Arnold, et al.			
	5,774,727	06-30-98	Walsh, et al.			
	5,872,978	02-16-99	Hoskins			
	6,092,194	07-18-00	Touboul			
	6,118,940	09-12-00	Alexander, III, et al.			
	6,154,844	11-28-00	Touboul, et al.			
	6,167,520	12-26-00	Touboul			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	WO 99/15966	04-01-99	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Frans Veldman, "Heuristic Anti-Virus Technology," Proceedings, 3 <sup>rd</sup> International Virus Bulletin Conference, pp. 67-76, September 1993.
	Symantec, "Understanding Heuristics: Symantec's Bloodhound Technology, Symantec White Paper Series, Vol. XXXIV, pp. 1-14, September 1997.

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EXAMINER

DATE CONSIDERED

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PATENT  
81924.0001

Express Mail Label No.: EJ194573541US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Peter A.J. van der Made

Serial No: Not Assigned

Filed: Herewith

For: COMPUTER IMMUNE SYSTEM  
AND METHOD FOR DETECTING  
UNWANTED CODE IN A  
COMPUTER SYSTEM

Art Unit: Not Assigned

Examiner: Not Assigned

**TRANSMITTAL OF INFORMATION DISCLOSURE  
STATEMENT**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The information disclosure statement submitted herewith is being filed concurrently with the subject application [37 C.F.R. § 1.97(b)] and contains no items of information cited in any communication from a foreign patent office in a counterpart foreign application [37 C.F.R. § 1.97(e)(1)].

Respectfully submitted,

HOGAN & HARTSON, L.P.

By: 

William M. Wright  
Registration No 36,312  
Attorney for Applicant(s)

Date: August 18, 2000

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Los Angeles, California 90071  
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Facsimile: 213-337-6701

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FORM PTO-1449	Docket Number (Optional) 81924.0001	Application Number Not Assigned
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant Peter A.J. van der Made	
(Use several sheets if necessary)	Filing Date Herewith	Group Art Unit Not Assigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,398,196	03-14-95	Chambers	364	580	
	5,675,711	10-07-97	Kephart, et al.	395	22	
	5,696,822	12-09-97	Nachenberg	380	4	
	5,864,803	01-26-99	Nussbaum	704	232	
	5,907,834	05-25-99	Kephart, et al.	706	20	

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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EXAMINER	DATE CONSIDERED
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